

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No. <b>M4065.0929/P929</b>	
		First Inventor <b>Mayur Joshi</b>	
		Title <b>CONVERTING DIGITAL SIGNALS</b>	
		Express Mail Label No. _____	

22212 U.S. PTO  
 10/625692  
 07/24/03

<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>		<b>ADDRESS TO:</b> MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original, and a duplicate for fee processing) See 37 CFR 1.27.</small> 2. <input type="checkbox"/> Applicant claims small entity status. 3. <input checked="" type="checkbox"/> Specification [Total Pages <b>26</b> ] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>6</b> ] 5. Oath or Declaration [Total Sheets <b>2</b> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or   ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies		
<b>ACCOMPANYING APPLICATIONS PARTS</b>			
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). <small>Applicant must attach form PTO/SB/35 or its equivalent.</small> 17. <input type="checkbox"/> Other: _____			

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation   
 ☐ Divisional   
 ☐ Continuation-in-part (CIP)   
 of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

<b>19. CORRESPONDENCE ADDRESS</b>					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<b>24998</b>		or <input checked="" type="checkbox"/> Correspondence address below	
Name <b>DICKSTEIN SHAPIRO MORIN &amp; OSHINSKY LLP</b> <b>Thomas J. D'Amico</b>					
Address <b>2101 L Street NW</b>					
City <b>Washington</b>		State <b>DC</b>	Zip Code <b>20037-1526</b>		
Country <b>US</b>	Telephone <b>(202) 785-9700</b>	Fax <b>(202) 887-0689</b>			

Name (Print/Type) <b>Thomas J. D'Amico</b>	Registration No. (Attorney/Agent) <b>28,371</b>		
Signature	Date <b>July 24, 2003</b>		

MARK THRONSON #33,082

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL for FY 2003</b>		<b>Complete if Known</b>	
Effective 01/01/2003, Patent fees are subject to annual revision.		Application Number	TBD
		Filing Date	July 24, 2003
		First Named Inventor	Mayur Joshi
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
		Attorney Docket No.	M4065.0929/P929
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) <b>3,490.00</b>			

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)																																																																																																																																																																																																
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account Deposit Account Number: <span style="border: 1px solid black; padding: 2px 20px;">04-1073</span> Deposit Account Name: <span style="border: 1px solid black; padding: 2px 50px;">Dickstein Shapiro Morin &amp; Oshinsky LLP</span> The Director is hereby authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	<b>3. ADDITIONAL FEES</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left; padding: 5px;">Large Entity</th> <th colspan="2" style="text-align: left; padding: 5px;">Small Entity</th> <th style="text-align: left; padding: 5px;">Fee Description</th> <th style="text-align: left; padding: 5px;">Fee Paid</th> </tr> <tr> <th style="text-align: left; padding: 5px;">Fee Code</th> <th style="text-align: left; padding: 5px;">Fee (\$)</th> <th style="text-align: left; padding: 5px;">Fee Code</th> <th style="text-align: left; padding: 5px;">Fee (\$)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6" style="padding: 5px;">Other fee (specify) _____</td></tr> <tr> <td colspan="4" style="padding: 5px;">*Reduced by Basic Filing Fee Paid</td> <td style="padding: 5px;"><b>SUBTOTAL (3)</b> (\$)</td> <td style="padding: 5px;">40.00</td> </tr> </tbody> </table>	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)			1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	410	2252	205	Extension for reply within second month		1253	930	2253	465	Extension for reply within third month		1254	1,450	2254	725	Extension for reply within fourth month		1255	1,970	2255	985	Extension for reply within fifth month		1401	320	2401	160	Notice of Appeal		1402	320	2402	160	Filing a brief in support of an appeal		1403	280	2403	140	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,300	2453	650	Petition to revive - unintentional		1501	1,300	2501	650	Utility issue fee (or reissue)		1502	470	2502	235	Design issue fee		1503	630	2503	315	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))		1810	750	2810	375	For each additional invention to be examined (37CFR 1.129(b))		1801	750	2801	375	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify) _____						*Reduced by Basic Filing Fee Paid				<b>SUBTOTAL (3)</b> (\$)	40.00
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																												
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																														
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																													
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																													
1053	130	1053	130	Non-English specification																																																																																																																																																																																													
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																													
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																													
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																													
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																													
1252	410	2252	205	Extension for reply within second month																																																																																																																																																																																													
1253	930	2253	465	Extension for reply within third month																																																																																																																																																																																													
1254	1,450	2254	725	Extension for reply within fourth month																																																																																																																																																																																													
1255	1,970	2255	985	Extension for reply within fifth month																																																																																																																																																																																													
1401	320	2401	160	Notice of Appeal																																																																																																																																																																																													
1402	320	2402	160	Filing a brief in support of an appeal																																																																																																																																																																																													
1403	280	2403	140	Request for oral hearing																																																																																																																																																																																													
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																													
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																													
1453	1,300	2453	650	Petition to revive - unintentional																																																																																																																																																																																													
1501	1,300	2501	650	Utility issue fee (or reissue)																																																																																																																																																																																													
1502	470	2502	235	Design issue fee																																																																																																																																																																																													
1503	630	2503	315	Plant issue fee																																																																																																																																																																																													
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																													
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																													
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																													
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																												
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																													
1810	750	2810	375	For each additional invention to be examined (37CFR 1.129(b))																																																																																																																																																																																													
1801	750	2801	375	Request for Continued Examination (RCE)																																																																																																																																																																																													
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																													
Other fee (specify) _____																																																																																																																																																																																																	
*Reduced by Basic Filing Fee Paid				<b>SUBTOTAL (3)</b> (\$)	40.00																																																																																																																																																																																												
<b>1. BASIC FILING FEE</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left; padding: 5px;">Large Entity</th> <th colspan="2" style="text-align: left; padding: 5px;">Small Entity</th> <th style="text-align: left; padding: 5px;">Fee Description</th> <th style="text-align: left; padding: 5px;">Fee Paid</th> </tr> <tr> <th style="text-align: left; padding: 5px;">Fee Code</th> <th style="text-align: left; padding: 5px;">Fee (\$)</th> <th style="text-align: left; padding: 5px;">Fee Code</th> <th style="text-align: left; padding: 5px;">Fee (\$)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>750.00</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5" style="padding: 5px;"><b>SUBTOTAL (1)</b> (\$)</td><td style="padding: 5px;">750.00</td></tr> </tbody> </table>						Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)			1001	750	2001	375	Utility filing fee	750.00	1002	330	2002	165	Design filing fee		1003	520	2003	260	Plant filing fee		1004	750	2004	375	Reissue filing fee		1005	160	2005	80	Provisional filing fee		<b>SUBTOTAL (1)</b> (\$)					750.00																																																																																																																																												
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																												
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																														
1001	750	2001	375	Utility filing fee	750.00																																																																																																																																																																																												
1002	330	2002	165	Design filing fee																																																																																																																																																																																													
1003	520	2003	260	Plant filing fee																																																																																																																																																																																													
1004	750	2004	375	Reissue filing fee																																																																																																																																																																																													
1005	160	2005	80	Provisional filing fee																																																																																																																																																																																													
<b>SUBTOTAL (1)</b> (\$)					750.00																																																																																																																																																																																												
<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Total Claims</th> <th style="text-align: left; padding: 5px;">Extra Claims</th> <th style="text-align: left; padding: 5px;">Fee from below</th> <th style="text-align: left; padding: 5px;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">58</td> <td style="padding: 5px;">-20** = 38</td> <td style="padding: 5px;">x 18.00</td> <td style="padding: 5px;">= 684.00</td> </tr> <tr> <td style="padding: 5px;">Independent Claims</td> <td style="padding: 5px;">27</td> <td style="padding: 5px;">-3** = 24</td> <td style="padding: 5px;">x 84.00 = 2,016.00</td> </tr> <tr> <td style="padding: 5px;">Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left; padding: 5px;">Large Entity</th> <th colspan="2" style="text-align: left; padding: 5px;">Small Entity</th> <th style="text-align: left; padding: 5px;">Fee Description</th> <th style="text-align: left; padding: 5px;">Fee Paid</th> </tr> <tr> <th style="text-align: left; padding: 5px;">Fee Code</th> <th style="text-align: left; padding: 5px;">Fee (\$)</th> <th style="text-align: left; padding: 5px;">Fee Code</th> <th style="text-align: left; padding: 5px;">Fee (\$)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5" style="padding: 5px;"><b>SUBTOTAL (2)</b> (\$)</td><td style="padding: 5px;">2,700.00</td></tr> </tbody> </table>						Total Claims	Extra Claims	Fee from below	Fee Paid	58	-20** = 38	x 18.00	= 684.00	Independent Claims	27	-3** = 24	x 84.00 = 2,016.00	Multiple Dependent				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)			1202	18	2202	9	Claims in excess of 20		1201	84	2201	42	Independent claims in excess of 3		1203	280	2203	140	Multiple dependent claim, if not paid		1204	84	2204	42	** Reissue independent claims over original patent		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b> (\$)					2,700.00																																																																																																																												
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																														
58	-20** = 38	x 18.00	= 684.00																																																																																																																																																																																														
Independent Claims	27	-3** = 24	x 84.00 = 2,016.00																																																																																																																																																																																														
Multiple Dependent																																																																																																																																																																																																	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																												
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																														
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																													
1201	84	2201	42	Independent claims in excess of 3																																																																																																																																																																																													
1203	280	2203	140	Multiple dependent claim, if not paid																																																																																																																																																																																													
1204	84	2204	42	** Reissue independent claims over original patent																																																																																																																																																																																													
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																													
<b>SUBTOTAL (2)</b> (\$)					2,700.00																																																																																																																																																																																												
**or number previously paid, if greater; For Reissues, see above																																																																																																																																																																																																	

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Thomas J. D'Amico	Registration No. (Attorney/Agent)	28,371
Signature	 MARK THRONSON #33,082	Telephone	(202) 828-2232
		Date	July 24, 2003

Docket No.: M4065.0929/P929  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

In re Patent Application of:  
Mayur Joshi

Application No.: Not Yet Assigned

Group Art Unit: N/A

Filed: Concurrently Herewith

Examiner: Not Yet Assigned

For: CONVERTING DIGITAL SIGNALS

---

**POWER OF ATTORNEY BY ASSIGNEE AND  
CERTIFICATE BY ASSIGNEE UNDER 37 CFR § 3.73(B)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Micron Technology, Inc., Assignee of the entire right, title and interest in the above-identified application by virtue of the Assignment attached hereto (which is also being submitted concurrently for recordation), hereby appoints the attorneys and agents of the firm of Dickstein Shapiro Morin & Oshinsky LLP located at 2101 L Street NW, Washington, DC 20037-1526, listed as follows:

Gary M. Hoffman	26,411	Jon D. Grossman	32,699	Michael J. Scheer	34,425
Thomas J. D'Amico	28,371	Richard LaCava	41,135	Stephen A. Soffen	31,063
Donald A. Gregory	28,954	Arthur M. Lieberman	20,042	Ellen S. Tao	43,383
James W. Brady, Jr.	32,115	John C. Luce	34,378	Gary L. Veron	39,057
Mark J. Thronson	33,082	Peter McGee	35,947	Michael A. Weinstein	53,574
Eric Oliver	35,307	Edward A. Meilman	24,735	Steven I. Weisburd	27,409
Laurence E. Fisher	37,131	Charles E. Miller	24,576	Peter Zura	48,196
Deanna Allen	46,516	Christopher A. Monsey	53,342	Jeremy A. Cubert	40,399
Ian R. Blum	42,336	Keith D. Nowak	27,367	Gianni Minutoli	41,198
Gabriela I. Coman	50,515	Elizabeth Parsons	52,499	Michael Bergman	42,318
Catherine A. Ferguson	40,877	William E. Powell, III	39,803	Salvatore P. Tamburo	45,153

Application No.: Not Yet Assigned

Docket No.: M4065.0929/P929

Ryan H. Flax	48,141	Joseph W. Ragusa	38,586	Peter A. Veytsman	45,920
Hua Gao	40,414	Steven S. Rubin	43,063	Christopher S. Chow	46,493

and also, listed as follows:

Charles B. Brantley, III	38,086	Kevin D. Martin	37,882	Russ Slifer	39,838
Michael L. Lynch	30,871	David J. Paul	34,692		

attorneys of Micron Technology, Inc. as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

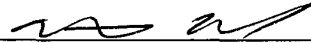
The Assignee certifies that the above-identified assignment has been reviewed and to the best of the Assignee's knowledge and belief, title is in the assignee.

Please direct all correspondence regarding this application to the following:

Thomas J. D'Amico  
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP  
2101 L Street NW  
Washington, DC 20037-1526  
Telephone: (202) 785-9700  
Fax: (202) 887-0689

Respectfully submitted,

MICRON TECHNOLOGY, INC.

  
\_\_\_\_\_  
Michael L. Lynch  
Chief Patent Counsel  
Registration No. 30,871

Dated: 7-17-09